Adventures in Aeronautics			
2005 Mathematics			
Essential Knowledge and Skills			
Texas Mathematics			
Grade 3			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	TX	MA.3.1.B	Use place value to compare and order whole numbers through 9,999; and
Adventures in Aeronautics	TX	MA.3.3.A	Model addition and subtraction using pictures, words, and numbers; and
Adventures in Aeronautics	TX	MA.3.3.B	Select addition or subtraction and use the operation to solve problems involving whole numbers through 999.
Adventures in Aeronautics	TX	MA.3.4.B	Solve and record multiplication problems (up to two digits times one digit); and
Adventures in Aeronautics	TX	MA.3.5.B	Use strategies including rounding and compatible numbers to estimate solutions to addition and subtraction problems.
Adventures in Aeronautics	TX	MA.3.6.B	Identify patterns in multiplication facts using concrete objects, pictorial models, or technology; and
Adventures in Aeronautics	TX	MA.3.11.D	Identify concrete models that approximate standard units of weight/mass and use them to measure weight/mass;

Adventures in Aeronautics			
2005 Mathematics			
Essential Knowledge and Skills			
Texas Mathematics			
Grade 4			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	TX	MA.4.1.A	Use place value to read, write, compare, and order whole numbers through 999,999,999; and
Adventures in Aeronautics	TX	MA.4.1.B	Use place value to read, write, compare, and order decimals involving tenths and hundredths, including money, using concrete objects and pictorial models.
Adventures in Aeronautics	TX	MA.4.2.C	Compare and order fractions using concrete objects and pictorial models; and
Adventures in Aeronautics	TX	MA.4.3.A	Use addition and subtraction to solve problems involving whole numbers; and
Adventures in Aeronautics	TX	MA.4.3.B	Add and subtract decimals to the hundredths place using concrete objects and pictorial models.
Adventures in Aeronautics	TX	MA.4.4.B	Represent multiplication and division situations in picture, word, and number form;
Adventures in Aeronautics	TX	MA.4.4.D	Use multiplication to solve problems (no more than two digits times two digits without technology); and
Adventures in Aeronautics	TX	MA.4.5.B	Use strategies including rounding and compatible numbers to estimate solutions to multiplication and division problems.

Activity/Lesson	State	Standards	
Adventures in Aeronautics	TX	MA.4.6.B	Use patterns to multiply by 10 and 100.
Adventures in Aeronautics	TX	MA.4.11.A	Estimate and use measurement tools to determine length (including perimeter), area, capacity and weight/mass using standard units SI (metric) and customary;
Adventures in Aeronautics	TX	MA.4.11.B	Perform simple conversions between different units of length, between different units of capacity, and between different units of weight within the customary measurement system;
Adventures in Aeronautics	TX	MA.4.11.E	Explain the difference between weight and mass.
Adventures in Aeronautics	TX	MA.4.12.B	Use tools such as a clock with gears or a stopwatch to solve problems involving elapsed time.
Adventures in Aeronautics			
2005 Mathematics			
Essential Knowledge and Skills			
Texas Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	TX	MA.5.1.A	Use place value to read, write, compare, and order whole numbers through the 999,999,999,999; and
Adventures in Aeronautics	TX	MA.5.3.A	Use addition and subtraction to solve problems involving whole numbers and decimals;
Adventures in Aeronautics	TX	MA.5.3.B	Use multiplication to solve problems involving whole numbers (no more than three digits times two digits without technology);
Adventures in Aeronautics	TX	MA.5.4.A	The student is expected to use strategies, including rounding and compatible numbers to estimate solutions to addition, subtraction, multiplication, and division problems.
Adventures in Aeronautics	TX	MA.5.11.B	Solve problems involving elapsed time.